

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference A/PFE 318	FOR FURTHER ACTION <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small>	
International application No. PCT/EP2004/013357	International filing date (day/month/year) 25/11/2004	(Earliest) Priority Date (day/month/year) 05/12/2003
Applicant CIBA SPEZIALITÄTENCHEMIE PFERSEE GMBH		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/013357

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 D21H21/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D21H D21J D06M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 542 071 A (WOLMAN GMBH DR) 19 May 1993 (1993-05-19) the whole document	1-9
A	EP 0 599 812 A (CHISSO CORP) 1 June 1994 (1994-06-01) the whole document	1-9
A	EP 0 401 538 A (CHISSO CORP) 12 December 1990 (1990-12-12) the whole document	1-9
A	WO 00/29490 A (HUHN WOLFGANG ; RATHENOW JOERG (DE); COLLOID SURFACE TECHNOLOGIES G (D) 25 May 2000 (2000-05-25) the whole document	1-9
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

21 March 2005

Date of mailing of the international search report

04/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Karlsson, L

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/013357

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 451 665 A (ALBRIGHT & WILSON) 16 October 1991 (1991-10-16) the whole document -----	1-9
A	US 2 632 743 A (ECKERT LEWIS W) 24 March 1953 (1953-03-24) the whole document -----	1-9
A	GB 1 450 446 A (UNITED MERCHANTS & MFG) 22 September 1976 (1976-09-22) the whole document -----	1-9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013357

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0542071	A	19-05-1993	DE 4137621 A1	19-05-1993
			AT 128062 T	15-10-1995
			DE 59203752 D1	26-10-1995
			DK 542071 T3	13-11-1995
			EP 0542071 A1	19-05-1993
			ES 2076649 T3	01-11-1995
			GR 3017715 T3	31-01-1996
EP 0599812	A	01-06-1994	JP 3014700 A	23-01-1991
			JP 3137289 A	11-06-1991
			JP 2909826 B2	23-06-1999
			JP 3137290 A	11-06-1991
			JP 2909827 B2	23-06-1999
			JP 3130499 A	04-06-1991
			EP 0599812 A2	01-06-1994
			DE 69022292 D1	19-10-1995
			DE 69022292 T2	15-02-1996
			DE 69031840 D1	29-01-1998
			DE 69031840 T2	09-04-1998
			EP 0401538 A2	12-12-1990
			US 5160582 A	03-11-1992
EP 0401538	A	12-12-1990	JP 3014700 A	23-01-1991
			JP 3137289 A	11-06-1991
			JP 2909826 B2	23-06-1999
			JP 3137290 A	11-06-1991
			JP 2909827 B2	23-06-1999
			JP 3130499 A	04-06-1991
			DE 69022292 D1	19-10-1995
			DE 69022292 T2	15-02-1996
			DE 69031840 D1	29-01-1998
			DE 69031840 T2	09-04-1998
			EP 0401538 A2	12-12-1990
			EP 0599812 A2	01-06-1994
			US 5160582 A	03-11-1992
WO 0029490	A	25-05-2000	DE 19852584 A1	18-05-2000
			DE 19901973 A1	03-08-2000
			AT 286945 T	15-01-2005
			DE 59911454 D1	17-02-2005
			WO 0029489 A1	25-05-2000
			WO 0029490 A2	25-05-2000
			EP 1124906 A1	22-08-2001
			EP 1144516 A2	17-10-2001
EP 0451665	A	16-10-1991	AU 7428491 A	17-10-1991
			BR 9101494 A	03-12-1991
			CA 2039632 A1	13-10-1991
			CN 1055567 A	23-10-1991
			EP 0451665 A1	16-10-1991
			FI 911743 A	13-10-1991
			GB 2242915 A ,B	16-10-1991
			HU 57293 A2	28-11-1991
			IE 911218 A1	23-10-1991
			JP 4222278 A	12-08-1992
			NO 911431 A	14-10-1991
			PL 289869 A1	02-12-1991
			PT 97362 A	31-12-1991

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013357

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0451665	A		ZA	9102554 A	25-03-1992
US 2632743	A	24-03-1953	GB	733560 A	13-07-1955
GB 1450446	A	22-09-1976	CA	996705 A1	14-09-1976
			US	4028053 A	07-06-1977